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- (71) Applicant (for all designated States except US): **IMAGO SCIENTIFIC INSTRUMENTS CORPORATION** [US/US]; Suite 100, 6300 Enterprise Lane, Madison, WI 53719 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **GOODMAN, Steven, L.** [US/US]; 13 Mark Twain Street, Madison, WI 53705 (US). **KELLY, Thomas, F.** [US/US]; 2021 Chamberlain Avenue, Madison, WI 53705 (US). **KREMER, John, J.** [US/US]; 5630 Cary Glen Blvd., Cary, NC 27519-7168 (US).
- (74) Agents: **LEONE, Jos., T.** et al.; DeWitt Ross & Stevens S.C., Suite 401, 8000 Excelsior Drive, Madison, WI 53717-1914 (US).
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(54) Title: METHOD TO DETERMINE 3-D ELEMENTAL COMPOSITION AND STRUCTURE OF BIOLOGICAL AND ORGANIC MATERIALS VIA ATOM PROBE MICROSCOPY

(57) Abstract: Disclosed are methods to prepare a specimen for microanalysis, the specimens so prepared, and methods to analyze the specimens by atom probe microscopy. The specimens are prepared by embedding a specimen within an electrically conductive matrix to yield an embedded specimen; and then forming regions on the embedded specimen into shapes suitable for microanalysis by an atom probe.

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